From:	Fegel Gary <gary@fegel.com>
To:	ehud barak <ehbarak1@gmail.com>
CC:	
Date:	Mon, 9/9/2013 8:33:05 PM
Subject:	Re:

DONE
On 09. Sep .2013, at 18:01, ehud barak <ehbarak1@gmail.com> wrote:

> Till 1230. I've added another one for 1130. Michael Monchouglu (8200) and Yair Engel.
> EB
>
> Sent from my iPad
>
> On 9 2013 בספט, at 18:38, Fegel Gary <gary@fegel.com> wrote:
>
> > Hi Ehud
> > ok 8.30-12 (israel time) on friday I will be on Skype….I will give you Skype details later…..
> > looking forward to start getting into this….
> > best
> > Gary
> >
> > On 09. Sep .2013, at 11:14, ehud barak <ehbarak1@gmail.com> wrote:
> >
> > > Hi Gary
> > > I'll have a meeting on Friday 1030 with SkyCure founder Yair Amit (formerly in 8200). Young startup which deals with BYOD secure solutions for mobiles. So we have now three different meetings on Friday.
> > > Best
> > > EB
> > >
> > > Sent from my iPhone
> > >
> > > On Sep 8, 2013, at 23:45, Gary Fegel <gary@fegel.com> wrote:
> > >
> > > > …..sorry, …part 2
> > > >
> > > > I give you one example that crossed my mind today.
> > > > I'm sure you have heard or used "Viber". Viber is simply a VoIP application. Viber works surprisingly well if you are on a relatively fast wireless network. But it's completely useless on the go. Not even in Switzerland, where 3g is very stable, one can have a normal conversation while driving in a car for example. In

London, where 3g is much less stable, you can hardly dial a number, let alone having a conversation. So in other words, VoIP doesn't work (yet) on a mobile network.

And at the end of the day, people have phones to do phone calls, within many other things these days of course. But nobody will agree to compromise on the number 1 function, which is to do a simple phone call. And we all know how irritating it is to try make a phone call with bad reception or poor quality.

Kaymera's voice "solution" is basically exactly the same - just on a private VoIP network, but technology wise it's basically the same as Viber. I can't see a bank CEO or a top politician (or anyone else) not simply use another phone instead. And that completely breaks the security argument (The attacker simply hacks that other phone). That's how people are - they will copy their contacts into that second phone for convenience, they will use the GPS of that second phone because a lot of apps won't be white-listed and so on. The restrictions are too big. You might as well get yourself an old Nokia phone or a cheap, simple non-smart phone that can't be hacked at all ….that is much more safe and cheaper and easier - and you can make a perfect phone call that can't be intercepted (or at least not with the NSO technology). Isn't that amazing? If you want to make a phone call in perfect quality with zero chance to be hacked by NSO - just buy a cheap phone. You don't need Kaymera.

Anyhow, a lot of food for thought….I just realised how bad Viber works in a mobile network and how quickly someone would simply hang up frustrated and use a normal phone connection (as I have done this afternoon).

I'm aware this is not only about phone calls but also about other data, such as emails, which is obviously the second most important function. For this you do need a smart phone and you do need something like Kaymera. I just struggle how they want to resolve all issues at once. I didn't find an answer in their papers. But maybe one of the guys we will meet has a better answer.

best
Gary

Begin forwarded message:

From: Gary Fegel <gary@fegel.com>
Date: 08. September, 2013 22:05:22 GMT+02:00
To: Barak Ehud <ehbarak1@gmail.com>

Hi Ehud

Hope you are doing well and still enjoy Bali.

Unfortunately there are no flights on Friday afternoon from TA to London, only early in the morning. I will therefore join on Skype or FaceTime. Also, I'm pretty flexible the week after in case there are any other or follow-up meetings (I know you won't be there).

Obviously I'm thinking a lot about the industry we are observing....and I have also looked through some Kaymera material I have received some months ago. The more I look into it, the more I realise why the defensive systems are so much behind and where the challenges are. I'm not even so sure anymore if the Kaymera approach, the way I understand it, is really the right one - therefore I'm glad we start on a green field.
Also, I think we have to place ourselves in the middle between attack and defence. Especially if the attack technology becomes a commodity - which is only a matter of time.

Talk soon.
Best
Gary